

Contents

Marine Chemistry, Vol. 25 (1988)

Research Papers

Occurrence and possible sources of perylene in marine sediments—a review M.I. Venkatesan (Los Angeles, CA, U.S.A.)	1
A new formula for the effect of temperature on the partial pressure of CO ₂ in seawater C. Copin-Montegut (Villefranche sur Mer, France)	29
Metal-organic ligand interaction in seawater: multimetal complexation model for metal titration K. Hirose (Ibaraki, Japan)	39
Measurement of total alkalinity in hypersaline waters: values of f_H C.M. Burke and M.J. Atkinson (Nedlands, W.A., Australia)	49
Solubilities of calcite, aragonite and protodolomite in supratidal brines of Minamidaito-jima Island, Okinawa, Japan T. Oomori, K. Kaneshima (Okinawa, Japan) and Y. Kitano (Aichi-gun, Japan)	57
Distribution and behaviour of arsenic in the Huang He (Yellow River) estuary and Bohai Sea W.W. Huang (Shandong, People's Republic of China), J.M. Martin, P. Seyler, J. Zhang and X.M. Zhong (Moutrouge, France)	75
Erratum	93

Special Issue: Inorganic Marine Chemistry — edited by Dr. M. Sohn

Preface	i
---------------	---

Research Papers

Dissolved iodine behavior in estuaries along the east coast of the United States W.J. Ullman, G.W. Luther, III (Lewes, DE, U.S.A.) R.C. Aller and J.E. Mackin (Stony Brook, NY, U.S.A.)	95
The coprecipitation of manganese(II) with calcite: an experimental study N.E. Pingitore, Jr., M.P. Eastman, M. Sandidge, K. Oden and B. Freiha (El Paso, TX, U.S.A.)	107
Role of amorphous ferric oxyhydroxide in removal of anthropogenic vanadium from seawater C.-S. Shieh and I.W. Duedall (Melbourne, FL, U.S.A.)	121
Effect of ionic interactions on the rates of oxidation of Cu(I) with O ₂ in natural waters V.K. Sharma and F.J. Millero (Miami, FL, U.S.A.)	141
The influence of temperature and pH on trace metal speciation in seawater R.H. Byrne (St. Petersburg, FL, U.S.A.), L.R. Kump (University Park, PA, U.S.A.) and K.J. Cantrell (Atlanta, GA, U.S.A.)	163
Geochemistry of rare earth elements in Pacific hydrothermal sediments R.M. Owen and A.M. Olivarez (Ann Arbor, MI, U.S.A.)	183

Research Papers

The determination of zirconium and hafnium in natural waters by isotope dilution mass spectrometry S.M. Boswell and H. Elderfield (Cambridge, Gt. Britain)	197
--	-----

Adsorption of humic substances isolated from marine and estuarine sediments B. Rasport (Zagreb, Yugoslavia) and P. Valenta (Jülich, F.R.G.)	211
Winter-summer variations of calcite and aragonite saturation in the northeast Pacific R.A. Feely (Seattle, WA, U.S.A.), R.H. Byrne, J.G. Acker, P.R. Betzer (St. Petersburg, FL, U.S.A.), C.-T.A. Chen, J.F. Gendron and M.F. Lamb (Kaohsiung, Taiwan, Republic of China)	227
Organic matter characterization in the northern Adriatic Sea with special reference to the sea surface microlayer J.C. Marty, A. Salot (Paris, France), V. Žutić, R. Precali, B. Čosović, N. Smolaka (Zagreb, Yugoslavia) and G. Cauwet (Perpignan, France)	243
Behavior of particulate carbohydrates and amino acids in the estuary of the Tama River M. Ochiai, M. Ogino, K. Sasaki and T. Okazawa (Tokyo, Japan)	265
Speciation of methyltin and butyltin compounds in eelgrass (<i>Zostera marina</i> L.) leaf tissue from the Great Bay Estuary (NH) R. Francois and J.H. Weber (Durham, NH, U.S.A.)	279
Provenance, concentrations and nature of sedimentary organic nitrogen in the Gulf of Maine L.M. Mayer (Walpole, ME, U.S.A.), S.A. Macko (St. John's, Newfoundland, Canada) and L. Cammen (West Boothbay Harbor, ME, U.S.A.)	291

Research Papers

Determination of Ge/Si in marine siliceous microfossils: separation, cleaning and dissolution of diatoms and radiolaria A. Shemesh, R.A. Mortlock, R.J. Smith and P.N. Froelich (Palisades, NY, U.S.A.)	305
The decoupling of hydrocarbons and fatty acids in the dissolved and particulate water phases of a deltaic environment J.I. Gomez-Belinchon, R. Llop, J.O. Grimalt and J. Albaigés (Barcelona, Spain)	325
A simplified method for ²²⁶ Ra determinations in natural waters J.L. Butts, I. Lerche and W.S. Moore (Columbia, SC, U.S.A.), J.F. Todd (Rockville, MA, U.S.A.) and D.G. Moore (College Station, TX, U.S.A.)	349
Purine and pyrimidine bases in marine particles in the Seto Inland Sea, Japan S. Montani, K. Tada and T. Okaichi (Kagawa, Japan)	359
Vertical distribution of fluorescent organic matter in the North Pacific K. Hayase, H. Tsubota and I. Sunada (Hiroshima, Japan), S. Goda and H. Yamazaki (Higashiosaka, Japan)	373
The seasonal cycle of arsenic in estuarine and nearshore waters of the South Atlantic Bight J.T. Byrd (Savannah, GA, U.S.A.)	383
Contents of Volume 25	395

